



On the Water Front

Making sure we all have enough water and that it is acceptable in quality and in cost is a goal Tucson Water has been

working toward for several years now. The recent groundbreaking for the pipeline that will bring up to 20 billion gallons of blended water to us each year is a major milestone on the road to meeting that goal.

The water we will receive through this pipeline beginning in early 2001, will come from the Central Avra Valley Storage and Recovery Project (CAVSARP) and is a blend of recharged Colorado River water and groundwater.

Our customers in volunteer neighborhoods have used this water, and we've bottled it to give as many of you as possible the opportunity to try it too. Nearly all the feedback we've received has been positive. The quality and the taste are good and no problems are developing with plumbing or appliances.

There are many professionals working very hard to bring this water to you and make sure it meets your expectations. We at Tucson Water are excited about the bright future this project holds for our community and our environment.

In the meantime, we're moving forward with as much input from you as we can get and, at the same time, letting you know what we are doing and planning. It's all part of *working together* to use our precious water resources wisely, sensibly, and efficiently for the future.

David V. Modeer
Director, Tucson Water

Your Water Connection

News & Tips for Tucson Water Customers

In This Issue:

💧 Mayor Breaks Ground on
Our Water Future

💧 Meet Mike Sanders

💧 The Blend Flows in
Another Neighborhood

💧 Wetlands Fans Take Note

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<http://www.ci.tucson.az.us/water/>

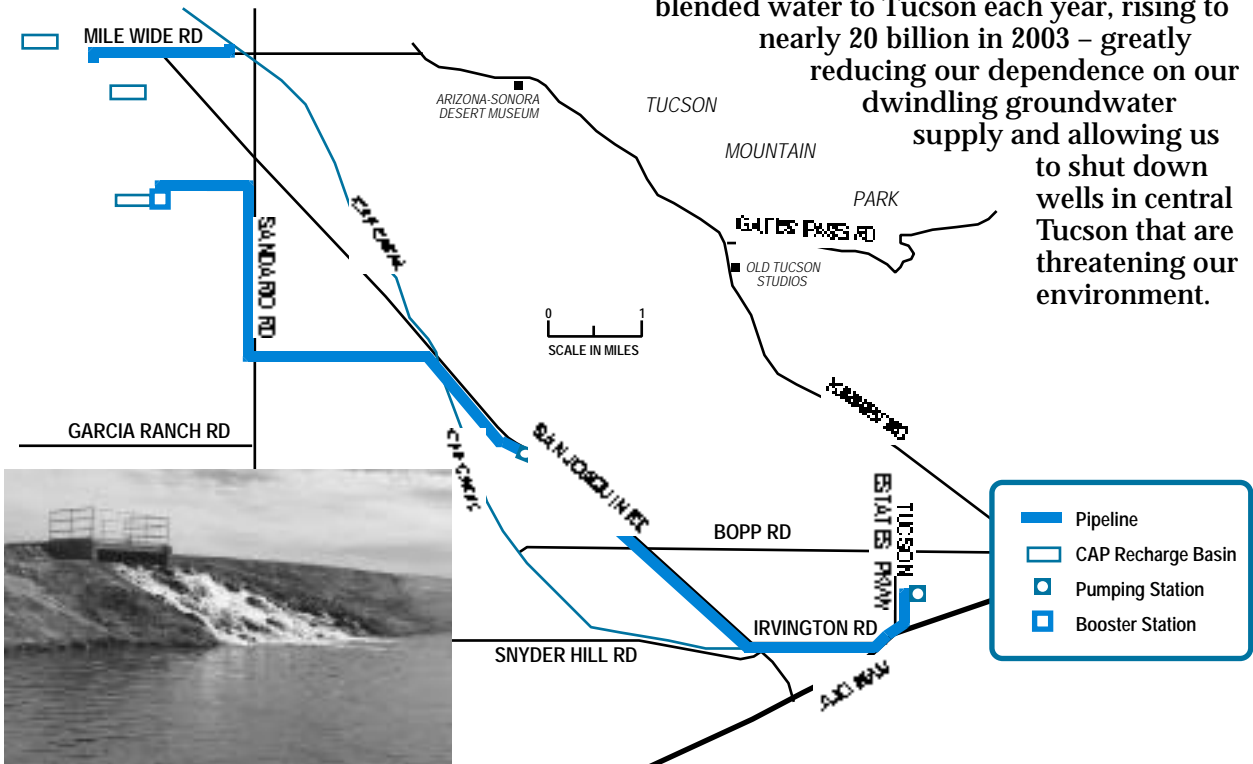
—Mayor Walkup breaks ground for new water delivery system

Building the Pipeline to Tucson's Water Future

“This pipeline represents the water future of our community.” With those words, Mayor Robert E. Walkup broke the first ground for Tucson Water’s Central Avra Valley pipeline on January 21st. City and State elected officials, water professionals, Tucson Water employees, and volunteers from the utility’s Ambassador Neighborhoods Program joined Walkup in celebrating the start of construction. The 11 1/2 mile-long pipeline will carry water from the Central Avra Valley Storage and Recovery Project (CAVSARP) to the pumping plant that will deliver it over the Tucson Mountains to water customers.

Marie Pearthree, Deputy Director of Tucson Water, says the pipeline will be complete by December of this year. The pipe varies in diameter from 60 inches to 72 inches and will eventually carry about 54 million gallons of water per day into the Tucson area.

CAVSARP is an extremely important part of Tucson’s future water supply. At the facility west of the Tucson Mountains, Colorado River water is placed in basins and allowed to soak through the earth where it blends naturally with native groundwater. Beginning in 2001, wells at CAVSARP will supply about 6 billion gallons of this blended water to Tucson each year, rising to nearly 20 billion in 2003 – greatly reducing our dependence on our dwindling groundwater supply and allowing us to shut down wells in central Tucson that are threatening our environment.



CAP water flows into a recharge basin to soak down to the water table.

3rd Ambassador Neighborhood Ready to Try the Blend

Another volunteer neighborhood will begin using blended water this month, as the tap is turned on for Tucson Water customers on Michigan Street, just west of Interstate 19. Michigan Street is the third neighborhood to participate in the demonstration project that is proving we can all successfully use a blend of recharged Colorado River water and groundwater in our homes and businesses.

Neighbors on the eastside on Alandale Place and in the central city on East 4th Street have both participated in the demonstration project and have been very pleased with the quality of the water they received. Ries Lindley, Tucson Water's coordinator for the volunteer neighborhoods, says that residents have reported that the blended water tasted as good or better than the water they had been receiving before their 90-day demonstration started.

In 2001, Tucson Water plans to begin using this blended water to supplement our city's dwindling groundwater supplies. For more information about our blended water and the Ambassador Neighborhoods Program, call Ries at 791-5080, ext. 1234.



Detouring to Sweetwater Wetlands

Due to highway construction the access to Tucson Water's Sweetwater Wetlands from Business Center Drive has changed. Detour signs are in place to direct visitors to the Wetlands via an alternate route. Call 791-4331 for more information.

– Tucson Water Employee Spotlight

Mike Sanders Helps Build Your Water System



Mike Sanders

Building the project that will ensure Tucson has enough quality water for the future is a big job. That's why Mike Sanders was chosen as Engineering Manager for Tucson Water's Central Avra Valley Storage and Recovery Project (CAVSARP).

Mike has worked for Tucson Water for five years and is responsible for coordinating with other divisions of Tucson Water – hydrology, plant design, and the treatment and operations divisions – and with contractors and state and federal agencies to ensure CAVSARP is completed on time in early 2001.

Mike is a registered engineer with the State of Arizona and a member of the Arizona Water Pollution Control Association. Mike was born in Bisbee, Arizona and earned his engineering degree from the University of Arizona. He likes to camp, fish, and hike with his wife and their two children.

Visit the Tucson Water Web Site at
<http://www.ci.tucson.az.us/water/>

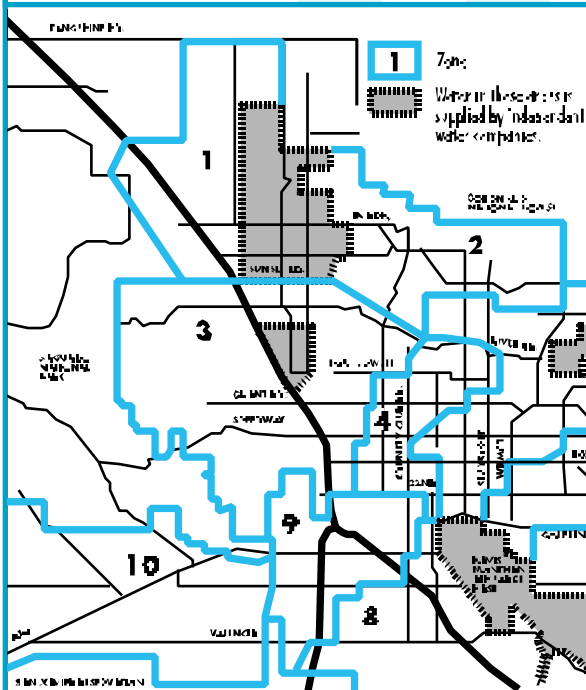
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To receive a copy, or to receive this information in Spanish, call 791-4331 or mail your request to: Customer Information, P.O. Box 27210, Tucson, AZ 85726-7210
City of Tucson TTY number: 791-2639



Si usted desea este documento escrito en español, por favor, llame al 791-4331.

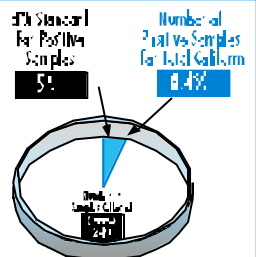
GROUNDWATER QUALITY REPORT - November 1999

Water Quality Zone		1	2	3	4	5	6	7	8	9	10	System Wide
Sodium (ppm)	Average Range	54 37-79	41 38-44	44 21-92	34 27-54	33 25-43	31 24-39	31 20-41	42 36-54	49 38-95	41 40-42	39 20-95
Mineral Content (ppm)	Average Range	407 195-561	280 244-306	285 184-607	221 174-317	224 166-273	225 191-269	222 156-299	331 271-500	288 215-431	220 211-224	261 156-607
Hardness (ppm)	Average Range	188 65-283	124 97-147	119 73-288	94 68-123	96 65-121	100 76-122	98 61-140	163 103-303	103 65-147	76 71-79	111 61-303
pH (units)	Average Range	7.7 7.3-8.1	7.9 7.8-8.1	7.9 7.2-8.2	7.9 7.6-8.3	7.9 7.3-8.2	7.7 7.0-8.1	7.8 7.1-8.2	7.7 7.6-8.0	7.9 7.6-8.2	7.9 7.8-8.3	7.8 7.0-8.3
Temperature (deg F)	Average Range	79 77-81	79 77-84	79 72-88	79 70-86	79 68-84	76 70-82	78 68-84	80 73-84	80 70-91	82 75-86	78 68-91



COLIFORM BACTERIA TESTING RESULTS - November 1999

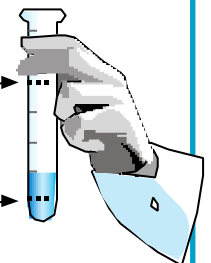
Groundwater Quality Report



Chlorine Level Average

Target = 0.8 to 1.2 ppm

Monthly Average
0.9 ppm



One part per million (ppm) is the same as one second of time in 11.6 days.

To give you a more accurate measurement of the water quality in your neighborhood, the Tucson Water service area has been divided into 10

zones based on differences in water pressure and water quality. For a detailed description of the zone boundaries, call 791-4331.